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TITLE: ATTRACTING MECHANISM FOR FILM PLANE HOLDING DEVICE
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PATENT INFORMATION:

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APPLICATION INFORMATION
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INT. PATENT CLASSIF.:
MAIN: (5) G03B017-28
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ABSTRACT:

PURPOSE: To reduce the current consumption by supplying a one-shot pulse current to a fixed coil arranged outside a movable permanent magnet at the time of photography and attracting the rear surface end part of the movable permanent magnet to the rear end surface of a yoke, and expanding a sealed variable space.

CONSTITUTION: One end of a suction rubber shaft 11 is fitted to the center part of the suction rubber 6 which forms the sealed variable space and moving magnets 8 and 9 are fixed to the shaft 11; and the fixed coil 7 is arranged outside them and the front end part of the magnet 8 is attracted to the front end surface of the yoke 15 with its attractive force except in photography. For fixed exposure, the one-shot pulse current is supplied to the fixed coil 7, the rear end part of the moving magnet 9 is attracted to the rear end surface of the yoke 15 to expand the sealed variable space, and when the current is cut off, this state is maintained with the attractive force of the magnet 9. When the exposure is completed, a one-shot pulse current having the opposite polarity is supplied to the fixed coil 7 to return the moving magnets 8 and 9 to their original positions. Consequently, no current need not be supplied during film attraction and the electric consumption is reducible.